

FORM 1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE  
(REV. 7-2005)

## TRANSMITTAL LETTER TO THE UNITED STATES

ATTORNEY'S DOCKET NUMBER

19162

DESIGNATED/ELECTED OFFICE (DO/EO/US)

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/549587

CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

INTERNATIONAL APPLICATION NO.

PCT/JP2004/003427

INTERNATIONAL FILING DATE

15 March 2004 (15.03.2004)

PRIORITY DATE CLAIMED

14 March 2003 (14.03.2003)

TITLE OF INVENTION

MASS SPECTROMETRY SYSTEM AND METHOD FOR ANALYSIS

APPLICANT(S) FOR DO/EO/US

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Kazuhiro IIDA Noriyuki IGUCHI Hisao KAWAURA Wataru HATTORI

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☒ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. EV 717621422US
23. ☒ Other items or information:


Eighty-Seven (87) Sheets of Drawings

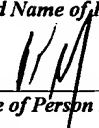
Assignee: NEC Corporation of Tokyo, Japan and National Institute of Advance Industrial  
Science and Technology of Tokyo, Japan

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/549587</b>		INTERNATIONAL APPLICATION NO. <b>PCT/JP2004/003427</b>		ATTORNEY'S DOCKET NUMBER <b>19162</b>	
The following fees are submitted:				<b>CALCULATIONS</b>	<b>PTO USE</b>
24. <input checked="" type="checkbox"/> Basic national fee .....		\$300		\$	\$300.00
25. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) .....		\$100		\$	\$200.00
All other situations .....		\$200			
26. <input checked="" type="checkbox"/> Search fee ..... Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....		\$100			
International Search Report prepared and provided to the Office .....		\$400			
All other situations .....		\$500		\$	\$400.00
<b>TOTAL OF 24, 25 and 26 =</b>				\$	\$900.00
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
216	- 100 = 116	/50 = 3	x \$250.00	\$	\$750.00
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	\$130.00
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	61 - 20 =	41	x \$50.00	\$	\$2,050.00
Independent claims	6 - 3 =	3	x \$200.00	\$	\$600.00
MULTIPLE DEPENDENT CLAIMS (if applicable) <input checked="" type="checkbox"/> + \$360.00				\$	\$360.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$	\$4,790.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	\$0.00
<b>SUBTOTAL =</b>				\$	\$4,790.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	\$0.00
<b>TOTAL NATIONAL FEE =</b>				\$	\$4,790.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property				\$	\$0.00
<b>TOTAL FEES ENCLOSED =</b>				\$	\$4,790.00
				Amount to be refunded:	\$
				Amount to be charged:	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$ <b>\$4,790.00</b> to cover the above fees is enclosed.					
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <b>19-1013/SSMP</b> . A duplicate copy of this sheet is enclosed.					
d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card          information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.					
<b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b))          must be filed and granted to restore the International Application to pending status.</b>					
SEND ALL CORRESPONDENCE TO: <b>Paul J. Esatto, Jr., Reg. No. 30,749          SCULLY, SCOTT, MURPHY &amp; PRESSER          400 Garden City Plaza          Garden City, NY 11530          (516) 742-4343</b>					
				SIGNATURE  <b>Paul J. Esatto, Jr.</b>	
				NAME <b>30,749</b>	
				REGISTRATION NUMBER	

<b>CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)</b> Applicant(s): Katsutoshi TAKAHASHI, et al.			Docket No. 19162	
.. Application No. <b>9A/1349587</b>	Filing Date Herewith	Examiner Unassigned	Customer No. 23389	Group Art Unit Unassigned
Invention: <b>MASS SPECTROMETRY SYSTEM AND METHOD FOR ANALYSIS</b>				
<p>I hereby certify that the following correspondence:</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p><b>New U.S. Patent Application Under 35 U.S.C. 371</b></p> </div> <p style="text-align: center; font-size: small;">(Identify type of correspondence)</p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on <u>September 13, 2005</u></p> <p style="text-align: center; font-size: x-small;">(Date)</p> <div style="text-align: right; margin-top: 20px;"> <p><b>Paul J. Esatto, Jr.</b></p> <hr style="width: 40%; margin: 0 auto;"/> <p style="font-size: x-small;">(Typed or Printed Name of Person Mailing Correspondence)</p> <div style="margin-top: 10px;">  </div> <hr style="width: 40%; margin: 0 auto;"/> <p style="font-size: x-small;">(Signature of Person Mailing Correspondence)</p> <div style="margin-top: 10px;"> <p><b>EV 717621422 US</b></p> <hr style="width: 40%; margin: 0 auto;"/> <p style="font-size: x-small;">("Express Mail" Mailing Label Number)</p> </div> </div>				
<p><b>Note: Each paper must have its own certificate of mailing.</b></p>				